No. First And ~~Final~~ bill Part

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CONTRACT CERTIFICATE

SBR.No

(For Other Works)

Date: D.L.P: 36 months ..... 20.....

Division : RR Nagara Division

Sub-Division :Yashwanthapura -Sub Division

Estimated Cost (Rs.) :-100.00 Lakhs

Bill Received No .....

Scheduled Docket No: .....Dated.....Cash Book Voucher No.....dated.....

Head of Account D.R. No:

Name of Work (as per sanctioned estimate):- **Drilling of Borewells and Maintenance of RO Plant in RR Nagar Constituency**

Job Code:-017-20-000020.

Name of Contractor and Full Address: Nagasandra Ramarao Satish (Satya Borewell cleaning)

Reference to Agreement No /Wo No: 000060 Date: 31.08.2020

Certified that the measurements were taken by me on 19/9/2020 and recorded of Pages No 52328 to 300

Of measurement Book No : 5233/16-17 and that the work is satisfactorily executed.

Signature of Contractor

Officer-in-charge of work

Certified that the measurements were taken by me on 19/9/2020 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

If Memorandum of Payment

Sub-Division Officer

1) Total value of work done or supplies made as per account within	9923300	TOTAL
2) Deduct amount to be held in reserve being.....percent Rs.....	1059996	Ret. 12%
3) " Balance	8863296	TOTAL
4) Deduct Payment :		
a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D No.....-	442000	FSD
Amount adjusted towards cash advance recovery of	176670	CA
b) Payments cost store or other materials supplied.	88340	C&ST
Now made recovery of amount creditable to this/other work Amount paid on this bill Cheque/Cash	88340	S&ST
	88340	LWF
5) Balance being unpaid value of work done held in reserve	22760	LR
6) Deduct cash advance made on the office Cash Book Voucher No..... date .....less adjustments	8846	CSF
	915296	welfare
7) Net amount due to or from contractor Unadjusted items	8948000	Chr
8) Advance to contractor for materials brought to site (as detailed) within value of Government materials supplied	8863296	TOTAL

Contractor's Signature

Received Rs... .....(in works)

.....

By Cash and by adjustment of Payment as per memorandum.

Witnesses:

1.

2.

Dated..... **Signature of Contractor**

Paid by me by cheque No..... Dated.....

Cash Rs..... Dated.....

Initials of Officer Making Payment

(For use in the Office)

Admitted Rs. 8863296.00

Cheque Rs. 8948000.00

Eight nine lakh forty Eight

Rounded off

Adjustment Rs 915296.00

Executive Engineer

Case

Accounts Superintendent

Executive Engineer

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Sl.No	Description of work	Unit	Schedule B		Previous Measurement							
			Qty	Rate Rs.	Qty	Cost	Qty	Rate Rs.	Cost	Qty.	C	
1	Raw water Feed pump with starter,Type-Horizontal ,Centrifugal.Make-Kirloskar/Beacon weir/Sumo/CNP(SS),Material of Construction-Cast Iron,Head-36 MWC. Motor-3.0HPthree phase.Starter-L&T Siemen make push botton type DOL Starter	Nos	4.00	26000.00	0.00	0.00	4.00	26000.00	104000.00	4.00	104000.00	
2	Multi graded sand filter,type-verticle,Floor Mounted,Make-pentair/structural/ION EXCHANGE(INDIA) LTD/Zeolite/Aquario,min.operating Pressure 2.0kg/cm2,Max. Operating Pressure -3.5kg/cm2, Treatment Flow Rate-6000liters/Hr,Type of valve size-Multiport,50NB,make-UKL/Initiative,Filtering Media - Gravel,Graded Sand & Pebble	Nos	4.00	35000.00	0.00	0.00	4.00	35000.00	140000.00	4.00	140000.00	
3	Activated carbon Filter type-Verticle,Floor Mounted,Make-pentair/Structural/ION EXCHANGE(INDIA) LTD/Zeolite/Aquario,min.operating Pressure 2.0kg/cm2,Max. Operating Pressure -3.5kg/cm2, Treatment Flow Rate-6000liters/Hr,Type of valve size-Multiport,50NB,make-UKL/Initiative,Filtering Media -Gravel, Activated Carbon & pebbles	Nos	4.00	65563.00	0.00	0.00	4.00	65563.00	262252.00	4.00	262252.00	
4	Water Softner,type-Verticle,Floor Mounted,Make-pentair/Structural/ION EXCHANGE(INDIA) LTD/Zeolite/Aquario,min.operating Pressure 2.0kg/cm2,Max. Operating Pressure 3.5kg/cm2, Treatment Flow Rate-6000liters/Hr,Type of Resin INDION 220Na or Thermax T40	Nos	4.00	65038.00	0.00	0.00	4.00	65038.00	260152.00	4.00	260152.00	
5	Antiscalant Dosing System,Equipment Required-Electronic Dosing Pump with Solution Tank,make-Ion Exchange (I) Ltd./ASIA LMI/Zeolite,Material of Construction-PP(Polypropelene),Discharge @Max Back Pressure-2.88litr/Hr @8bar,Discharge@Nominal Back Pressure=3.12Lit/Hr @ 4Bar,Chemical to be dosed-INDION Antiscalant	Nos	4.00	89165.00	0.00	0.00	4.00	89165.00	356660.00	4.00	356660.00	
6	Accessories for Dosing System,Solution Tank-One No,Volume-100Litres,Material of Construction-HDPE,Tank level Switch-One No.	Nos	4.00	44058.00	0.00	0.00	4.00	44058.00	176232.00	4.00	176232.00	
7	Reverse Osmosis System,Type-Horizontal Skid,Floor Mounted,Permeate water-Minimum 2000litr/hr,Maximum Permissable TDS in feed (PPM)-2500.	Nos	4.00	93361.00	0.00	0.00	4.00	93361.00	373444.00	4.00	373444.00	
8	Pressure Vessel,Material of Construction-FRP,Make-Advance Composite/Code Line.	Nos	4.00	89165.00	0.00	0.00	4.00	89165.00	356660.00	4.00	356660.00	
9	Membrane, Type-Brackish water , Nos required-Three.Make-TORAY JAPAN /Hydranautics/Filmtec/Tricep	Nos	3.00	92312.00	0.00	0.00	3.00	92312.00	276936.00	3.00	276936.00	
10	High pressure pump,Type- verticle,multistage,Make-GRUNDFOS,MOTOR-7.5 HP 3Phase, Model-CRN series,Material of construction-SS316,starter-L&T/Seimens make push botton type DOL starter	Nos	3.00	57695.00	0.00	0.00	3.00	57695.00	173085.00	3.00	173085.00	
11	Micron Filter,Type -JUMBO,Material of construction of housing-poly propelene	Nos	3.00	81822.00	0.00	0.00	3.00	81822.00	245466.00	3.00	245466.00	
12	Instruction, Wet panel -Ms powder coated., Mounted on R.O> skid, Low pressure switch-one No,High Pressure Switch-one, Digitalconductivity Meter wyh sensor , Indon brand-one No , ON/OFF selector Switch -one No, High pressure System Pressure Gauge - one No, Auto Flush Timer - one No, Indication Lamps -one No, product Flow Meter- one No, Reject Flow Meter-one No,Reject Re-circolation Meter-one No,Alarm-one No	Nos	4.00	90214.00	0.00	0.00	4.00	90214.00	360856.00	4.00	360856.00	

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Sub Division

Sl.No	Description of work	Unit	Qty	Rate Rs.	Qty	Cost	Qty	Rate Rs.	Cost	Qty.	C
13	PH correction dosing System, Equipment Required-Electronic Dosing Pump with solution Tank, Make-Ion Exchange(1) Ltd./ASIA LMI/Zeolite,Material of construction -PP, Discharge @ max . Back Pressure-2.88 Lit/Hr@8Bar.Discharge@Nominal Back Pressure-3.12 Lit/Hr@4Bar,Frequency-100 Strokes / Min, Chemical to be dosed-PH Booster	Nos	4.00	87067.00	0.00	0.00	4.00	87067.00	348268.00	4.00	348268.00
14	Solution Tank with level switch, Solution Tank-one No, Volume-100 Liters. Material of construction-HDPE. Tank levelswitch-one No	Nos	2.00	15735.00	0.00	0.00	2.00	15735.00	31470.00	2.00	31470.00
15	Inter-connecting pipe work ,Raw water tank to feed pump suction and feed pump delivery to R.O. Inlet (up to High pressure pump in let)and RO outlet to Treated water tank-food Grade PVC pipe 40mm NB, Make-Finolex/ supreme,High pressure pump outlet to membrane inlet-ss pipe of required size, Approximate Length-35.0 Metre	Nos	3.00	81822.00	0.00	0.00	3.00	81822.00	245466.00	3.00	245466.00
16	Ultra violet system, Model-UVS-20,Make-Ion Exchange (I) Ltd.,/ASIA LMI/Zeolite,ALFA Flow rate-2000L/H	Nos	3.00	78151.00	0.00	0.00	3.00	78151.00	234453.00	3.00	234453.00
17	Wending Machine ,Digital Swiping Card Type	Nos	4.00	36715.00	0.00	0.00	4.00	36715.00	146860.00	4.00	146860.00
18	Geophysical investigation of site for Sinking borewell for supplying drinking water to the habitations either through the hand pump,MWS,P.W.S.S by vertical electrical sounding by adpoting venner or Schlumberger's method,including reconnaissance survey of Geological formation. Geophysical investigation of existing ground indecundity its quality & acceptability of the users indicating the location of site,recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 metre inconsolidated formation for proper seating of casing pipe,depth of drilling required to cover full depth of aquifer proposed to be tapped,probable yield and other information required including transportation of instrument and accesories to work site,engaging technical personal and labour required etc.,	Nos	5.00	3953.00	0.00	0.00	5.00	3953.00	19765.00	5.00	19765.00
19	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burden upto 20 M fixing of casing pipes, collars and cap with necessary cutting and threading including transportation of rig and supporting vehicals, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour .(excluding cost of casing pipes, collars, cap ect.) 0 to 50 m	Rmtr	250.00	364.00	0.00	0.00	250.00	364.00	91000.00	250.00	91000.00
20	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burden upto 20 M fixing of casing pipes, collars and cap with necessary cutting and threading including transportation of rig and supporting vehicals, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour .(excluding cost of casing pipes, collars, cap ect.) 50 to 100 m	Rmtr	250.00	464.00	0.00	0.00	250.00	464.00	116000.00	250.00	116000.00

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SLNo	Description of Work	Unit	Qty	Rate Rs.	Qty	Cost	Qty	Rate Rs.	Cost	Qty.	Cost
21	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burden upto 20 M fixing of casing pipes, collars and cap with necessary cutting and threading including transportation of rig and supporting vehicals, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour .(excluding cost of casing pipes, collars, cap ect.) 100 to 150 m	Rmtr	250.00	485.00	0.00	0.00	250.00	485.00	121250.00	250.00	121250.00
22	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burden upto 20 M fixing of casing pipes, collars and cap with necessary cutting and threading including transportation of rig and supporting vehicals, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour .(excluding cost of casing pipes, collars, cap ect.) 150 to 200 m	Rmtr	250.00	568.00	0.00	0.00	250.00	568.00	142000.00	250.00	142000.00
23	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burden upto 20 M fixing of casing pipes, collars and cap with necessary cutting and threading including transportation of rig and supporting vehicals, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour .(excluding cost of casing pipes, collars, cap ect.) 200 to 250 m	Rmtr	250.00	675.00	0.00	0.00	250.00	675.00	168750.00	250.00	168750.00
24	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burden upto 20 M fixing of casing pipes, collars and cap with necessary cutting and threading including transportation of rig and supporting vehicals, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour .(excluding cost of casing pipes, collars, cap ect.) 250 to 300 m	Rmtr	250.00	735.00	0.00	0.00	250.00	735.00	183750.00	250.00	183750.00
25	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burden upto 20 M fixing of casing pipes, collars and cap with necessary cutting and threading including transportation of rig and supporting vehicals, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour .(excluding cost of casing pipes, collars, cap ect.) 300 to 350 m	Rmtr	250.00	865.00	0.00	0.00	250.00	865.00	216250.00	250.00	216250.00
26	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burden upto 20 M fixing of casing pipes, collars and cap with necessary cutting and threading including transportation of rig and supporting vehicals, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour .(excluding cost of casing pipes, collars, cap ect.) 350 to 400 m	Rmtr	250.00	944.00	0.00	0.00	250.00	944.00	236000.00	250.00	236000.00

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27	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burden upto 20 M fixing of casing pipes, collars and cap with necessary cutting and threading including transportation of rig and supporting vehicals, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour .(excluding cost of casing pipes, collars, cap ect.) 400 to 420 m	Rmtr	100.00	1184.00	0.00	0.00	100.00	1184.00	118400.00	100.00	118400.00	
28	Providing and fixing 250mm dia PVC (casing pipe)	Rmtr	30.00	2727.00	0.00	0.00	30.00	2727.00	81810.00	30.00	81810.00	
29	Supply of ISI Mark 175mm nominal Bore, Plain end steel casing Pipe-grade of steel Fee 4100 of wakk thickness 504mm thick confirming to IS 4270:2001 and latest amendments, electric resistance welded steel electric or basic oxygen process in fandom length of 5 to 7mtr. Both ends threaded confirming to Is554/1985 one end fixed with socket confirming to IS 270:2001 and other end with screwed pipes. All pipes shall be reasonably free from defectes. The tubes shall be resonably straigth should be with ISI Marking Weighting 25.10 kg/mtr (Inclusive of all taxes and durties) Prices include Collar - medium duty.	Rmtr	150.00	1390.00	0.00	0.00	150.00	1390.00	208500.00	150.00	208500.00	
30	Providing 175mm Dia M.S. Collar	Nos	25.00	157.00	0.00	0.00	25.00	157.00	3925.00	25.00	3925.00	
31	Providing 175mm dia Bore Cap CE (M)	Nos	5.00	105.00	0.00	0.00	5.00	105.00	525.00	5.00	525.00	
32	Atalanta suguna CRI KIRLOSKAR and other equipments pumps 10.00 HP/7.5 KV (20 stage)	Nos	5.00	52403.00	0.00	0.00	5.00	52403.00	262015.00	5.00	262015.00	
33	Providing and fixing in trenches galvinised/mild steel tube 50mm dia nominal bore with all fittings (earth work in trenches to be measured and paid for seperately) including cost of all materials, labour charges,HOM of equipment and testing complete as per specifications.	Rmtr	1750.00	431.00	0.00	0.00	1750.00	431.00	754250.00	1750.00	754250.00	
34	Supplying and drawing 3 core flat PVC sheathed submersible pump cable maufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to table 3 class 5 to IS 8130-1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100 volts with specified IS 694:1990 and confirming to the attwached GTP of group A 3CX4.0 sq.mm	Rmtr	3550.00	133.00	0.00	0.00	3550.00	133.00	472150.00	3550.00	472150.00	
35	Providing and fixing in position 50mm Nominal bore non-return valve vertical type of approved make including cost of all materials,labour and HOM of equipment with all leads complete as per specifications.	Nos	5.00	1411.00	0.00	0.00	5.00	1411.00	7055.00	5.00	7055.00	
36	Spplying and fixing 50mm GI Union.	Nos	5.00	235.00	0.00	0.00	5.00	235.00	1175.00	5.00	1175.00	
37	Spplying and fixing 50mm GI Elbow.	Nos	5.00	117.00	0.00	0.00	5.00	117.00	585.00	5.00	585.00	
38	Spplying and fixing 50mm GI Nipple.	Nos	5.00	109.00	0.00	0.00	5.00	109.00	545.00	5.00	545.00	
39	Spplying and fixing 50mm GI Hose colleres	Nos	290.00	108.00	0.00	0.00	290.00	108.00	31320.00	290.00	31320.00	
40	Supplying and fixing 20" x 20" x 2.5" polished wood board made of not less than 15mm thick plank on both the sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc.,	Nos	5.00	184.00	0.00	0.00	5.00	184.00	920.00	5.00	920.00	
41	Supplying and fixing miniature circuit breakers on existing MCB distribution board using necessary fixing materials and 'C' type curve indicator ON/OFF energy cross-3 with short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.	Nos	5.00	2490.00	0.00	0.00	5.00	2490.00	12450.00	5.00	12450.00	

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			Qty	Rate Rs.								
42	Supplying of TPST with rewirable porcelain channels in SM encloser made out of 14 SWG powder coated point of approved colour 32 amps	Nos	5.00	1888.00	0.00	0.00	5.00	1888.00	9440.00	5.00	9440.00	
43	Supplying and fixing LED type panel board indicating lamp with required colour suitable for 220 V AC 50 HZ 12/24 V DC	Nos	5.00	451.00	0.00	0.00	5.00	451.00	2255.00	5.00	2255.00	
44	Suppling fully automatic star delta starter unit push button type with suitable wires 2 conductors and adjustable thermal timer mounted on a common base plate held in steel enclosure for use on 400/440 volts phase and wired after fixing to the existing wooden board for motor. upto 12.5HP	Nos	5.00	6713.00	0.00	0.00	5.00	6713.00	33565.00	5.00	33565.00	
45	Supplying and fixing single phase preventer using necessary wires over an existing panel board suitable for motar up to 20 HP capacities.	Nos	5.00	781.00	0.00	0.00	5.00	781.00	3905.00	5.00	3905.00	
46	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade multistrand copper conductor single core wire in open or concealed system of wiring as per IS 694:1990 & conforming to the attached GTP of group A. 4 sqmm	Mtrs	100.00	47.00	0.00	0.00	100.00	47.00	4700.00	100.00	4700.00	
47	Supplying fixing and wiring heavy duty low voltage capacitors conforming to IS 2834 phase 400/440 volts grade, for power factor improvement of rotating machinery.	Nos	20.00	419.00	0.00	0.00	20.00	419.00	8380.00	20.00	8380.00	
48	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C cotouts and other equipments on the meter board using 40mm dia 2.90 thick GI pipe 2.5 mtr long buried in a pit... The pit should be filled with equal proprotion of salt and charcoal 150mm alround the pipe to complete depth. The connection from the to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia	Nos	5.00	3146.00	0.00	0.00	5.00	3146.00	15730.00	5.00	15730.00	
49	Digging of trench of 0.36mtrs deepx0.5 mtrs wide refilling the trench to the required gorund level and consolidating etc., complete	Mtrs	40.00	106.00	0.00	0.00	20.00	106.00	2120.00	20.00	2120.00	
50	Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975 4 core 16 sqmm	Mtrs	50.00	157.00	0.00	0.00	50.00	157.00	7850.00	50.00	7850.00	
51	Labour charge for laying 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe/ on wall / on poles as required in existing trench/duct. 6 sq mm to 16 sq mm	Nos	125.00	12.00	0.00	0.00	125.00	12.00	1500.00	125.00	1500.00	
52	Supplying and fixing class-A(medium duty) GI pipe wall thickness not less then 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1KV class 40mm	Rmtr	10.00	351.00	0.00	0.00	10.00	351.00	3510.00	10.00	3510.00	
53	Supplying and fixing LT cast iron pot heads suitable for 1.1KV class UG cable filled with necessary bitumen / insulating compound complete with terminals,clamps bolts and nuts and washer etc.,complete for 16 sq mm as per specifications.	Nos	5.00	283.00	0.00	0.00	5.00	283.00	1415.00	5.00	1415.00	
54	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers. 63 amps	Nos	15.00	238.00	0.00	0.00	15.00	238.00	3570.00	15.00	3570.00	
55	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials upto a lead of 1000 meters, stacking serviceable and unserviceable materials seperately complete as per specifications.	Cum	81.45	1000.00	0.00	0.00	81.45	1000.00	81450.00	81.45	81450.00	

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56	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications.	Cum	122.51	499.00	0.00	0.00	122.51	499.00	61132.00	122.51	61132.00	
57	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings, this includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (external work) - 50mm nominal OD pipes	Rmtr	880.00	480.00	0.00	0.00	880.00	480.00	422400.00	880.00	422400.00	
58	Making connection of G.I.distribution branch with G.I.main of 25mm to 40mm. Nominal bore, including cutting and threading the pipes,providing and fixing Tee, nuts,labour for all item of works,testing and HOM of equipments complete as per specifications.	Each	5.00	537.00	0.00	0.00	5.00	537.00	2685.00	5.00	2685.00	
59	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings, this includes jointing of pipes and fittings with one step solvent cement, trenching, refilling & testing of joints complete. (external work). - 20mm nominal OD pipes	Mtrs	32.50	174.00	0.00	0.00	32.50	174.00	5655.00	32.50	5655.00	
60	Providing and fixing to wall, ceiling and floor Medium density polyethylene pipes 6.00 kgf/sq.cm working pressure 25mm outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications.	Mtrs	470.00	143.00	0.00	0.00	470.00	143.00	67210.00	470.00	67210.00	
61	KSRB 2-4 : Refilling available around earth pipe lines,cables in layers mot exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. And lift upto 1.5m. Including cost of all labour complete as per specifications.	Cum	85.76	135.00	0.00	0.00	85.76	135.00	11578.00	85.76	11578.00	
62	Loading and unloading of stone boulder/stone aggregates/sand/kanker/ moorum. KSRRB M100-1:Placing tipper at loading point, loading with front end loader,dumping, turning for return trip, excluding time for haulage and return trip complete as per specification	Cum	118.20	100.00	0.00	0.00	118.20	100.00	11820.00	118.20	11820.00	
63	KSRB 2-4 : Providing and fixing in position brass gate valve with C.I.wheel of approved quality (screwed end) 50mm nominal bore including cost of all materials,labour and HOM of equipments with all leads complete as per specifications.	Each	5.00	1933.00	0.00	0.00	5.00	1933.00	9665.00	5.00	9665.00	
64	KSRB13-6.2-1 : Providing and fixing in position brass stop cock of approved quality 15mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.	Each	5.00	156.00	0.00	0.00	5.00	156.00	780.00	5.00	780.00	

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Sl.No	Description of work		Qty	Rate Rs.	Qty	Cost	Qty	Rate Rs.			
65	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum	61.26	5673.00	0.00	0.00	61.26	5673.00	347528.00	61.26	347528.00

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Sl.No	Description of work	Unit										
			Qty	Rate Rs.	Qty	Cost	Qty	Rate Rs.				
66	Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) M 20 for R.C.C works laid in 15 cms thick layers and well compacted vibrating, curing, for foundations & sub-structure works with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.)	Cum	61.26	6053.00	0.00	0.00	61.26	6053.00	370807.00	61.26	370807.00	
	Total Amount								8833300.00		8833300.00	
	GST 12%								1059996.00		1059996.00	
	Grand Total								9893296.00		9893296.00	

Certificate

1 The above work has been Completed satisfactorily
2 The debris has been removed and disposed from the work spot.
3 No. departmental issues are made to the contractor

Contractor Representative

Assistant Engineer

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